

Title (en)

Method of operating a multi-roll calender and calender

Title (de)

Verfahren zum Betreiben eines Mehrwalzenkalenders und Kalander

Title (fr)

Procédé de fonctionnement d'une calandre à plusieurs rouleaux et calandre

Publication

EP 1557490 B1 20100519 (DE)

Application

EP 05100085 A 20050110

Priority

DE 102004003715 A 20040124

Abstract (en)

[origin: EP1557490A1] In a papermaking process a paper web passes through a series of drums forming nip gaps. The final nip gap is formed by a hard drum and a soft drum. The soft drum (30) is interchangeable with a temperature-controlled assembly whose geometry interfaces with the hard drum. The temperature control assembly heats the hard drum and removes heat from the soft drum. Also claimed is a commensurate calender assembly in which the temperature regulation process is altered with a change in soft drum. The drum scraper is changed to match the characteristics of the respective soft drum. The temperature regulation process employs oil as the heating medium.

IPC 8 full level

D21G 1/00 (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP US)

D21G 1/00 (2013.01 - EP US); **D21G 1/0266** (2013.01 - EP US)

Cited by

EP2385172A1; EP1621668A1; EP2325387A3

Designated contracting state (EPC)

DE FI SE

DOCDB simple family (publication)

EP 1557490 A1 20050727; **EP 1557490 B1 20100519**; DE 102004003715 B3 20050818; DE 502005009578 D1 20100701; US 2005178278 A1 20050818; US 7340999 B2 20080311

DOCDB simple family (application)

EP 05100085 A 20050110; DE 102004003715 A 20040124; DE 502005009578 T 20050110; US 3808205 A 20050121